

## From the Editor

Howdy to y'all

October was a busy month! Not only did the club hold the first 4th Wednesday Training Session, regular meetings were held, contests were dabbled in, classes were held for new hams, VE Testing took place, and nominations were placed for Officers and Board Members in the upcoming election.

Things not done: I haven't yet given the lawn a final mowing, but I've been hoping for a day without liquid sunshine.

Way too much going on at my QTH this month to permit me to make any forward progress on my EH Scott SLR-F receiver. So, no musings and horror stories this month on my undertaking. However, member Randy WB4SPB has been diligently working on a piece of donated equipment, bringing it up to snuff for use in the W7OS Museum. Thanks Randy for submitting a report of your adventure.

Coming up on December 15, the RCT Annual Awards Banquet will be held at the TACID facility on Pearl Street just east of TCC. Under the coordination of Jim KE6WHN, this is always a fun and appetite-rewarding event. Stay tuned for more details as the event nears.

By all accounts, the "Novice Class", as the new Wednesday night training sessions have been nicknamed, was a resounding success. The biggest 'complaint' I heard was that there was a dilemma by participants as to which class to attend. Word has it that they will be repeated this month so that club members can benefit from the wisdom of our cadre of knowledgeable instructors.

Nuffernow,

73 de Mike W7MWF

### In This Month's Issue

Minutes and Meeting Highlights	Page 2
Salmon Run Results	Page 6
Boatanchor Chronicles	Page 7
Member's Wallpaper	Page 11
The Fine Print	Page 12



**Board of Directors Meeting  
2 October 2013**

The 2 October 2013 Radio Club of Tacoma Board meeting was held at the Radio Club of Tacoma.

Officers and board members present:

President	Gary McAdams WG7X
Board Member	Bruce Hanson WE7P
Board Member	Al Ferguson N7OMS
Board Member	Nick Winter K7MO

*There were 8 names on the attendance roster*

**Quorum:** *There was no quorum for this meeting; therefor no formal business was conducted.*

**Minutes:** No Quorum

**HEALTH AND WELFARE:** David Andresen W7HTJ XYL Tish passed away.

**SECRETARY'S REPORT:** Presented by acting recorder W7WMF

Bank Statements  
Utility and Phone Bills  
Newsletters  
QEX Journal  
Electric Radio  
Memberships  
QSL cards  
Salmon Run Pledges

**TREASURER'S REPORT:** No Report

**COMMITTEE REPORTS:**

**Membership:** Noted

Current membership stands at 304



**Training:** Next Technician Class October 5/6th

**Information Technology:**– Randy Myers WB4SBP

*No Formal Report*

**HF and Repeater Operations:**

**HF Operations:** *No Report*

**Repeater Operations:** Nick Winter K7MO's report

**RCT Repeater Status:**

W7DK 145.21 Repeater, Bates Channel 28:  
Status Operational; Awaiting replacement  
with Master II controller

W7DK 147.28 Repeater Clubhouse: Status –  
Operational

W7DK 147.38 Repeater Crawford Mountain:  
Status – Operational, awaiting installation of  
the control unit

W7DK 440.625 Repeater Clubhouse Status –  
Operational

IRLP (147.28 Repeater) Operational

**Museum:** *No Report*

**Facilities Management:** Bruce Hanson WE7P

Anticipate emergency power test on 5<sup>th</sup> Saturday in November

**Property Management:**

Frank AC7JY's list of acquired equipment announced

*No action taken on request for guidance due to no quorum*

Two Towers Donated

A couple of HT's donated

**Planning Committee Report:** Larry KD4VOM

*No Report*

**Training:**

**Next Technician Class** is scheduled for October 5/6.

**General Class** in the works: Stephen AD7AB is asking for Extra Class instructors to take sections of the course, which will be taught using the "W7BUN" Seligman method, in which student prepare the lesson and are supported by the Instructor.

**Salmon Run and Pledge Drive:** Statistics and results noted

**The Goals:**

Broaden our reach to area nonmember hams  
Invite to support the Pledge drive  
Invite to join the Radio Club of Tacoma

**The Results**

**Non Members:** 1463 invitations mailed to non members

~ 200 returned for unable to deliver  
2 New Members Joined  
2 Members reinstated membership  
2 Non Members sent Salmon Run Cash Donations

**Member Results:**

Mailed 293 pledge letters and forms to members  
52 positive responses so far  
7 Per County and/or Challenge Pledges  
44 paid pledges  
Pledges, including per county and challenges: \$ 2,278.99  
Cash received so far 1,785.99

**UNFINISHED BUSINESS:**

**Emergency Operations:** *No Formal report;*

District 5 ARES DIGITAL NET BASIC DIGITAL TRAINING

A new beginning session began Monday 19 August

When: Mondays beginning August 19, 2013 at 7:30pm and Wednesdays, at 7 pm, same repeater

Location: The W7EAT 146.700 MHz Repeater minus offset 103.5 tone (Eatonville)

**NEW BUSINESS:**

**Nominating Committee:**

**Tim White K7TMW**

**Repeater Committee:** *Noted*

Meeting being planned Sunday 13 October 2013 at 1pm

Establish a new Repeater Committee

Discuss Repeater operations and planning

**Membership Meetings and Workshop Proposal**

*Extensive informal discussion regarding topics and structuring of classes ad instructor cadre.*

To discuss the proposal to change the regular second monthly General Membership meeting from its present form at the Pierce County Library Administration Building, to a workshop, project, or event meeting at the Clubhouse.

At the Wednesday General Membership Meeting on 25 September attendees were polled to determine their position on moving to the new second Wednesday workshop format. 100% of the attendees favored the change.

After the poll, each attendee was asked what subject areas/topics they would like to see included in the workshop program.

**Next Steps:**

**Form a group to:**

Review the subject area recommendations

Identify Elmers, Mentors, Tutors, Subject matter experts to lead the workshops

Develop a Wednesday schedule for some of the most wanted workshops

Get the word out to the membership at large.

**Comments:**

No need to limit the workshops to the 4<sup>th</sup> Wednesday, they could be every Wednesday except the 2<sup>nd</sup> which is the official Club General Membership meeting

Two or more workshops could be conducted on the same Wednesday depending on the subject area and available supporting equipment, e.g. Classroom "How to Program your HT" and Radio Room, How to do RTTY, and Lou Room Digital Modes for EmComm.

**DISCUSSION TOPICS:**

Frank AC7JY suggests a small stipend for John Bertels N07B who has presented two programs over the past few months and travels from Centralia area.

*(The Board has previously approved this practice on a case by case basis. Recommend a motion to provide a \$ 25.00 stipend for N07B in recognition of his contributions to our meeting programs)*

**no action/no quorum**

**ANNOUNCEMENTS:****Jamboree on the Air:** *Noted*

Steve Schumaker K7DFC is in the midst of planning an event to take place from 18-21 Oct, at Wilcox Farms. He has a few people coming out to set up stations, to work the event on our special 1x1 call sign W7S. He would love to have more folks out there set up field day style. Please let him know if you or anyone else is interested.

Steve K7DFC  
253-861-5467

**Annual Elections Coming Up:** *Noted*

- October: Nominations made, Election Committee appointed
- November: Elections, ballots counted, results announced.
- Terms expire 12/31/2013: Casey-WY7V, Larry-KD4VOM, Al-N7OMS, Glen-KA7BOJ, Bruce-WE7P
- Terms expire 12/31/2014: Gary-WG7X, Bob-AD7LJ, Jim-KE6WHN, Nick-K7MO

**Adjourned**


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**General Meeting Minutes  
9 October 2013**

The 9 October 2013 General Membership meeting was held at the Pierce County Library Administration Building at Waller Road and 112th Street.

Vice President Casey Hicks WY7V called the meeting to order at 7:35 PM.

Officers and board members present:

Vice President	Casey Hicks WY7V
Secretary	Larry Watson KD4VOM
Board	Bruce Hanson WE7P
Board	Glen Galati KA7BOJ

*A sign in sheet with the names of members and guests is attached to the original copy of these minutes. There were 32 names on the attendance roster.*

**PLEDGE OF ALLEGIANCE:** Was led by Casey Hicks WY7V

**INTRODUCTIONS:** Guest welcoming and Self introductions were completed.

**ILLNESS OR SILENT KEY:** Mike W7XTZ reported David Andresen, K7W7HTJ lost his XYL Tish recently. Our condolences to David and the family

**Correspondence:**

Newsletters  
Utility Bills  
Salmon Run Pledges  
QSL Cards  
Bank Statements

The Field Day Pig was circulated to collect donations for Field Day operations.

**COMMITTEE REPORTS:**

**Training:** The next Technician's class will be held on 9/10 November

**VE Report: JohnAC7WW**

An overflow group of candidates completed forty nine elements that were graded by eight Volunteer Examiners at the clubhouse of the Radio Club of Tacoma Tuesday October 8th. Fourteen of the Tech Class conducted by Stephen, AD7AB this past weekend attended the session and passed. Twenty seven elements were passed. Seventeen new Technicians with three candidates that passed element two and three to become Generals joined the ranks of Amateur Operators. Three candidates upgraded to General and one candidate upgraded to Amateur Extra. One candidate failed to upgrade.

Thanks to the following VE's for their time and effort.

Steve, AD7VL	Leonard, KA7NWF
Jan, K7HTU	Jon, AD7AW
Rich, KK7VH	Bob, KE7WPK
Stephen, AD7AB	

The next monthly scheduled testing session will be Tuesday November 12, 2013.



**W7DK**

**Proudly celebrating 97  
years of service to  
Amateur Radio in the  
Pacific Northwest**

**Nominating Committee Report: Tim White K7TMZ**

The Nominating Committee presented their nominations for positions coming vacant next year:

**For Vice President: No candidates**

**For Secretary: No candidates**

**For Board of Directors**

**Mike Finnie W7MWF**

**Mike Elwell W7GHW**

**Bruce Hanson WE7P**

**Nominations from the floor were opened:**

**For Vice President: Mike Mikuchonis W7XTZ**

**For Secretary: Larry Watson KD4VOM**

**A motion was made, seconded and passed to accept the nominations made and close the nominations.**

**ANNOUNCEMENTS:****Workshop Meeting Proposal: RCT Proposal to change the format of the Second Wednesday membership meeting:**

Based on positive feedback from the membership, The Board has elected to begin the Wednesday workshop meetings at the Clubhouse in place of the traditional fourth Wednesday General Membership Meeting.

**The regular General Membership** business meeting will continue on the second Wednesday at 7:30 at the Pierce County Library Administration Building.

**Membership Workshop sessions** will begin on 23 October at the Clubhouse. The first workshop will begin at 7 pm and include:

JT65, an orientation and demonstration Bruce Hanson WE7P

Multi-pathing Rich Patrick KR7W

Emergency Communications and the FLDIGI digital mode program Larry Watson KD4VOM

**RCT Repeater Maintenance and Planning Meeting:**

The Club Repeater Maintenance and Planning meeting is scheduled Sunday October 13th at the Clubhouse at 1 pm, its purpose is to form a new repeater maintenance team, and discuss club repeater operations and needs.

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**Salmon Run Pledge Drive:**

**Larry KD4VOM** reminded members that their pledges are due, and there is still time to participate in the fund drive.

Larry presented a pledge drive summary.

Pledges, including per county and challenges: \$ 2642.99

Cash received so far \$2,310.99

**RCT Celebrates its 97th anniversary 16 October 2013****RCT Christmas Party and Awards Ceremonies**

Time to be gathering the names of those who have supported all the Club's activities and events over the past year

**Civil Air Patrol (CAP)**

Received a phone call from a CAP member asking for help providing an orientation to CAP members on Amateur Radio and how to get a license.

They are also looking for volunteers with piloting experience.

**DISCUSSION TOPICS:**

**None Reported**

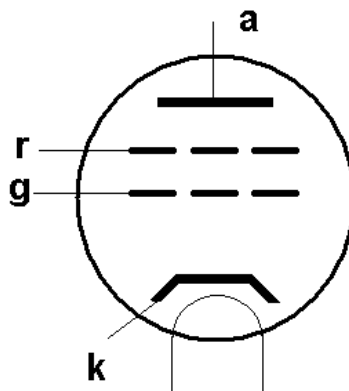
**SHOW AND TELL:** None.

**TUNING AND TRAFFIC:** None

**DOOR PRIZES:** Randal Tracy N0VFN picked up the HF Digital Handbook door prize

**RAFFLE PRIZE:** None conducted

The meeting was adjourned at 8:55pm



**4th Wednesday Workshop****October 23, 2013****Event Notes**

In lieu of the typical 2nd General Membership Meeting held at the Pierce County Library facility, the inaugural W7DK Training. A crowd of nearly 35 members attended workshops led by Rich KR7W (Multipath Interference), Bruce WE7P (Introduction to JT65 Mode) and Larry KD4VOM (Digital Modes and their use in EmComm).

Great classes, great instructors all the way around. Attendees were excited and enthusiastic about this new format for meetings held on the 4th Wednesday of each month. Stay tuned to The Loggers Bark, the club website w7dk.org, and the clubhouse bulletin board for announcements of upcoming topics.

**WASHINGTON SALMON RUN RESULTS- 2013****Top Ten – non WA**

<u>CALLSIGN</u>	<u>QTH</u>	<u>QSOs</u>	<u>MULTs</u>	<u>SCORE</u>	<u>Category</u>	<u>Club</u>
VE7JH	BC	376	39	37504	SINGLE-OP LOW MIXD	
K6MMM	CA	351	38	33756	MOST-NONWA	CONTEST CLUB CALIFORNIA PENINSULA
N4PN	GA	342	37	32857	SINGLE-OP HIGH MIXD	GEORGIA CONTEST GROUP
N6MU	CA	288	39	30523	SINGLE-OP LOW MIXD	SOUTHERN CALIFORNIA CONTEST CLUB
N5DO	TX	271	38	28892	SINGLE-OP LOW MIXD	CENTRAL TEXAS DX AND CONTEST CLUB
K4BAI	GA	281	37	27640	SINGLE-OP HIGH MIXD	SOUTH EAST CONTEST CLUB
W6AFA	CA	366	36	26852	SINGLE-OP HIGH SSB	
K7HP	AZ	273	36	26704	SINGLE-OP HIGH MIXD	ARIZONA OUTLAWS CONTEST CLUB
VE7CV	BC	246	39	23893	SINGLE-OP LOW MIXD	ORCA DX AND CONTEST CLUB
K2DSW	IA	229	35	23610	SINGLE-OP LOW MIXD	

**Top Ten – Washington**

<u>CALLSIGN</u>	<u>QTH</u>	<u>QSOs</u>	<u>MULTs</u>	<u>SCORE</u>	<u>Category</u>	<u>Club</u>
W7DX	MAS	1245	113	371544	UNLIMITED	WESTERN WASHINGTON DX CLUB
W7FLY	SNO	1201	121	339921	WA-CLUB-MOST	
K7SR	ISL	1138	108	310960	EXP-MO2T	PRESTON RADIO CLUB
W7DK	PIE	1189	111	295816	WA-CLUB-MO2T	
N7XS	SNO	1328	103	273568	SINGLE-OP LOW SSB	MIKE AND KEY ARC
WC7Q	KING	754	96	217652	SINGLE-OP HIGH CW	RADIO CLUB OF REDMOND
W7LKG	PIE	807	103	216682	SINGLE-OP HIGH MIXD	RADIO CLUB OF TACOMA
WW7D/M	KING	972	77	210363	MOB MIXD	RADIO CLUB OF REDMOND
K7INA	CLAL	795	96	210260	SINGLE-OP LOW MIXD	
W7GKF	SNO	755	106	198478	SINGLE-OP HIGH MIXD	RADIO CLUB OF REDMOND

In spite of W7LKG being mistakenly identified as RCT instead of W7DK, the official results of the Washington State QSO Party - "The Salmon Run" held in September reveal that The Mighty DK took First Place in its class. Well done to all who supported and participated in the event. And a hearty "Thank You" to all members and friends who pledged a donation for the club's performance. (Ed: Report from Salmon Run Headquarters kindly provided by KR7W. Thanks Rich for sending it along)

**The Boatanchor Chronicles**  
**HA-1 Keyer Restoration**  
**For the Doc Spike Museum W7OS**  
**Submitted by Randy WB4SPB**

In late September 2013, the Radio Club of Tacoma's Doc Spike Museum received a donation: a Hallicrafters HA-1 keyer, also known as the "T. O. Keyer" after its designer, W9TO. While not the first fully-electronic device invented for the purpose of sending CW dits and dahs with reduced effort, this was the first "digital" keyer. W9TO's patented design incorporated the same elements of digital logic that were being built into the computers of that time, the late 50's and early 60's.

The W9TO design went on to see several re-implementations, for example as discrete-transistor circuitry in the Hallicrafters HA-4 keyer, and using Resistor-Transistor Logic (RTL) integrated circuitry as described in ARRL Handbooks of the early 70's. In 1972-1973, some of my teenage ham buddies and I built and sold, at hamfests, a half-dozen examples of that ARRL Handbook RTL "T. O. Keyer".

Now, the Doc Spike Museum's main radio set has been evolving over the last several years, as various pieces of equipment are restored, into something pretty classy. It currently consists of a Collins 75A-4 receiver, a Heathkit Apache transmitter, a Johnson T/R switch, and a Johnson Matchbox tuner. (Look

for a transmitter upgrade during the next year as the Museum's Eldico transmitter and linear amp are re-stored.)

But the Museum station has been missing an essential (to my mind) item that was part of many classy rigs of circa 1960: an HA-1 T. O. Keyer. As a CW enthusiast, I have for some time had my eye out for one of these that could be acquired cheaply or donated to the Museum. The one that finally came along was shepherded by Frank



AC7JY. A quick checkout at the RCT clubhouse revealed it was fairly clean and sort of functioning: it would make DAHs but not DITs. No matter... equipment of this age often needs TLC, and perhaps some new capacitors and/or replacement tubes would fix it right up.



I downloaded a manual from the online Boat Anchor Manual Archive (BAMA). Then, restoration began with pulling the chassis and a good cleaning to remove a layer of fine dust that had found its way into the open-back cabinet. Examining the tubes, I found that one unconventional substitution had been made: a 12AT7 for a 5693/12AU7. The HA-1 uses three of the 5693, which is a version of the common 12AU7 dual-triode that is optimized for digital service. In fact, according to RCT's own Bob K7MXE, these are the same tubes "...used at the SAGE computer back in the '60s near McChord AFB." Well, maybe that sub was the problem? Before powering-up the keyer on the bench, I grabbed a 12AU7A from my collection of spares and replaced the 12AT7.

In fact, although 5693/12AU7 is specified for the logic tubes in the HA-1, none of them were actually 5693s. The two I did not immediately replace were plain 12AU7A. The distinction is not too important in the short term, but since the 5693 is designed to provide longer service in digital applications, I hoped to find some eventually.



An inspection under the chassis revealed no burned, smelly or leaking parts, so I powered the keyer up slowly, with a Variac, watching my AC ammeter for unusual current draw. Filaments turned orange and the OA2 and OB2 regulator tubes emitted their mysterious purple glow. B+ and B- power rails checked out for voltage and were pretty well filtered. The only thing amiss was that the NE-51 neon light on the front panel did not glow.

With a paddle connected, operation was the same as noted during initial checkout – some DAH action but no DIT action. Experimenting with setup adjustments per the manual did not change the situation.

Using a helpful chart in the manual, I determined that voltages at several points in the circuitry were out of whack. It was initially difficult for me to discern from the schematic dia-

gram what might be wrong, since the circuit involves a good bit of direct coupling between the various triodes through high-value (2.2M) resistors, and a weak or leaky tube might bias another tube incorrectly. I tried substitutes for each of the three logic tubes from my handful of spare 12AU7s. Each sub produced somewhat different voltages but no change in behavior. I measured likely resistors for changed value and looked hard at caps that, if they were leaky, could cause problems in this high impedance circuit.

Frustrated with my lack of progress, and after considerable but unproductive online research for reports from others that have worked on these keyers, I put out an email feeler among Doc Spike Museum regulars for actual samples of the 5693 tube. I had seen one anecdotal account of ordinary 12AU7s that functioned imperfectly in this circuit. Bob K7MXE thought he had a source, and Jack K7DBU was not convinced it would matter. But before Bob could come up with more tubes, I had a breakthrough that suggested Jack was likely right. It occurred to me to think carefully about the bayonet-based



NE-51 neon bulb, which did not light and which I had removed from its socket. A particular voltage was being pulled down, and the only path I could identify was through this empty socket. Could it possibly be shorted? I measured across the socket and saw about 300 ohms – not a short, but much lower than expected given the rest of the circuit. I couldn't see anything wrong with it, but after a little physical exercise of the spring contact and the application of some canned air, I found the in-circuit resistance across the socket was up to about 300K, a much more sensible value.

And lo, voltages now fell more in line with what the manual suggested, plus the re-installed NE-51 actually lit and blinked more-or-less properly. Checking with my oscilloscope various places in the circuit, I could see the keyer was now making both DITs and DAHs. But only DAHs were actuating the keying relay.

I decided to replace the handful of paper capacitors with modern equivalents, since these often fail with age.

While I was at it, I replaced the power supply electrolytic capacitors (they seemed OK, but I wanted to assure the keyer would last a good while longer). These changes had no effect on the keyer's behavior.

While I cogitated, Bob K7MXE came through and delivered four lovely, in-the-box, 5693 tubes (one for a spare). I installed them one at a time, and STILL saw no change in behavior. Dang. Well, at least



the keyer was using standard components, and I counted an aesthetic victory.

Finally, it occurred to me to sub a spare 12AU7 for the fourth dual-triode in the keyer, one section of which is the relay driver (the other section is the sidetone oscillator, which was working just fine). I had done this earlier with no effect, but that was before the NE-51 socket discovery. The original tube was labeled "Hallicrafters" and had probably lived in the keyer since its manufacture. I had been hoping to keep that one, but the replacement relay driver tube worked better: the relay now closed for both DITs and DAHs. Only... there was a nasty little buzz in the speaker when the relay was energized, even with the sidetone volume all the way down. Looking at the B+ rail with my scope, I could see that power supply was faltering, as if something were just drawing too much current. I subbed other relay driver tubes, and some were more effective switchers than others, but the buzz always accompanied proper relay operation. The relay driver circuit is very simple, and there is not much else to go wrong except the relay itself.

The C. P. Clare HG-1002 keying relay is an interesting device: a "mercury wetted", magnetic reed

switch in an opaque, sturdy metal package on an octal base. . Wave it around in the air and you'll hear the mercury sloshing inside. It's capable of very rapid switching and was originally designed for RTTY use, so it is good for CW speeds up to 60 WPM, and it can be used to key most any conventional ham transmitter.

The relay coil resistance should be about 4K. What was the resistance of the relay coil in the keyer? Hmm... 1230 ohms out of the circuit. This was puzzling, as the relay model number was correct, and it seemed unlikely to me that a relay coil could change resistance this much (part of the winding must be shorted) and still be functioning.

Another feeler to Museum regulars did not turn up a spare relay, and a used or new-old-stock HG-1002 costs more than \$30 + shipping from online sources. However, the Western Electric 275B is a direct substitute and was available from Surplus Sales of Nebraska for \$10 + \$7 shipping. Through the wonders of online shopping and USPS Priority Mail, 3 days later I had a new (old) relay to try. The coil measured around 4K, as expected. And with the new relay installed, the keyer made good DITs and DAHs with no indication that the power supply was unhappy with the current draw.

After a final spit-shine and buttoning-up, I exercised the HA-1 keyer with my home station for a few days. I found it really fun to use: the relay makes a soft thudding sound, and the neon lamp blinks in an interesting way with each DIT-time. This keyer takes a little getting used to, however, because the logic in it is very bare-bones. Unlike every electronic keyer made or built-into a rig today, the HA-1 has no memories. So, for example, if you briefly hit the DIT paddle while the keyer is making a DAH, your DIT will not be noticed: a "K" (DAH-DI-DAH) might come out as an "M" (DAH-DAH). And, of course, there is no iambic keying with this device. It is most appropriately paired with a single-lever paddle such as the Vibroplex Standard.



So please stop by the W7OS station in the Doc Spike Museum to test drive or QSO with the venerable Hallicrafters HA-1 T.O. Keyer. You'll experience the CW of an era that represents the pinnacle of vacuum tube technology.

I wish to thank Rich KR7W, Bob K7MXE and Jack K7DBU for contributing advice and/or parts to this restoration.

Randy Myers WB4SPB

*Editors Note - Thanks Randy for your hard work and for your contribution to The Bark and to the preservation of the history of amateur radio.*



The Bark is again pleased to feature several QSL cards from the extensive collection of Harry N7DOE. Thanks Harry for so graciously sharing some of your cards with us.

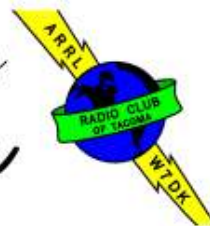
Does anyone besides Harry get QSL Cards?



All club members are invited and encouraged to contribute cards, photos, stories, opinions, observations, or other tidbits for publication in The Bark. Either email them to me as a jpg file, or bring them by the clubhouse on a Saturday and I'll scan them. For textual contributions, MSWord, PDF, RTF or plain text files are suitable.



*The Radio Club of Tacoma's*  
**Logger's Bark**



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### Club Officers

President: Gary McAdams WG7X 253-984-0868 email to [wg7x @ w7dk.org](mailto:wg7x@w7dk.org)

Vice Pres: Casey Hicks WY7V email to [wy7v @ w7dk.org](mailto:wy7v@w7dk.org)

Secretary: Larry Watson KD4VOM email to [kd4vom @ w7dk.org](mailto:kd4vom@w7dk.org)

Treasurer: Bob Purdom AD7LJ email to [ad7lj @ w7dk.org](mailto:ad7lj@w7dk.org)

### 5 Board Members (listed in no particular order)

Al Ferguson, N7OMS email to [n7oms @ w7dk.org](mailto:n7oms@w7dk.org)

James Mendenhall KE6WHN email to [ke6whn @ w7dk.org](mailto:ke6whn@w7dk.org)

Glen Galati KA7BOJ email to [ka7boj @ w7dk.org](mailto:ka7boj@w7dk.org)

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Reporters: The members of the Radio Club of Tacoma...

Send articles to: [w7dk-news @ earthlink.net](mailto:w7dk-news@earthlink.net) or Bark, 1506 N Stevens St, Tacoma, WA 98406

**The Fine Print:** The Logger's Bark is published once a month for the membership of The Radio Club of Tacoma or interested ham radio enthusiasts. The Bark is delivered by PDF file on the club's website: [www.w7dk.org](http://www.w7dk.org). If a condensed paper copy is needed... then let the Printer/Publisher listed above know.

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**Membership Info:** FULL (licensed) and ASSOCIATE (non licensed) is \$30 per calendar year. \$25 for Licensed Seniors (65 and over). Licensed family members at same address pay \$15 each for the first two and are free for the third, fourth, and so on. Fulltime students, licensed or non licensed, up to age 25 are \$15 per year. Note: fees are applicable for the calendar year: Jan to Dec. Lifetime membership is 20 times the yearly fee you are eligible for.. Lifetime memberships are calculated based on the FULL and ASSOCIATE rates.

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### Radio Club Repeaters

**Central Tacoma:** 147.280 + PL=103.5

**Crawford Mountain (SE Thurston County):** 147.380 + PL=103.5

**Central Tacoma:** 440.625 + PL=103.5

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**Remember - For the latest and most current information on events and activities, visit the Radio Club of Tacoma Website [w7dk.org](http://w7dk.org). Be sure to enroll as a member to see all the info.**

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***The Loggers Bark***  
**Radio Club of Tacoma**  
**PO Box 11188**  
**Tacoma, WA 98411**

**To RCT Member:**



## Upcoming RCT Events

**CLUB MEETINGS:** Second and fourth Wednesdays of the month at the Library Administration Building 112th and Waller Road. The club meets at 7:30 PM. Everyone is invited to attend.

**Board Meeting:** First Wednesday of the month at the RCT clubhouse. All members are welcome to attend .

**Bark Deadline:** Last week-end of each month. Please submit articles by that time!

**Check into the weekly two meter net:** Tuesdays at 7:30 PM on the club repeater on 147.280 MHz

**Check into the weekly 10 meter net:** Sundays at 8:00 PM on 28.375 MHz .